



AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Application No.: 10/784,792

Attorney Docket Q79832

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

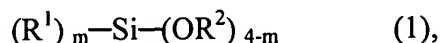
1-9. (canceled).

10. (currently amended): A stain resistant coating composition, which comprises (F') a modified resin prepared by polymerizing a mixture of polymerizable monomers for an acrylic resin synthesis containing both of a hydroxyl group-containing radical polymerizable monomer and an epoxy group-containing radical polymerizable monomer, in the presence of a non-radical polymerizable organosilicate represented by formula (2):



wherein R^3 and R^4 are each hydrogen atom, an alkyl group having 1 to 10 carbon atoms or an aryl group having 1 to 10 carbon atoms and n is 0 or 1, and/or a condensate thereof, and optionally (B) a compound having in the molecule at least one functional group selected from the group consisting of a carboxyl group, a carboxylic acid anhydride group and a carboxyl group blocked with an alkylvinyl ether compound.

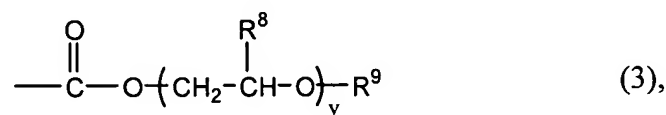
11. (currently amended): The stain resistant coating composition as claimed in claim 10, which further comprises ~~further~~-(C) an organosilicate represented by formula (1):



wherein R^1 and R^2 are each hydrogen atom, an alkyl group having 1 to 10 carbon atoms or an aryl group having 1 to 10 carbon atoms and m is 0 or 1, and/or a condensate thereof.

12. (original): The stain resistant coating composition as claimed in claim 11, wherein the content of ingredient (F') is in the range from 3 to 80 percents by weight, the content of ingredient (B) is in the range from 3 to 80 percents by weight, and the content of ingredient (C) is in the range from 0.1 to 30 percents by weight.

13. (previously presented): The stain resistant coating composition as claimed in any one of claims 10 through 12, wherein the acrylic resin structure part in the modified resin of ingredient (F') has one or more organic groups represented by formula (3):



wherein R⁸ is hydrogen atom or an alkyl group having 1 to 4 carbon atoms, R⁹ is an alkyl group having 1 to 4 carbon atoms and y is an integer from 1 to 10.

14. (currently amended): A method of coating which comprises applying a top coating composition comprising a pigment and the stain resistant coating composition as claimed in claim 10 on a coated article, wherein the content of the pigment is in the range from 0 to 200 parts by weight based on 100 parts by weight of all nonvolatile matters of ingredients ~~(F)~~ (F'), (B) and (C).

15. (previously presented): A method of coating a substrate with a multilayer paint film which comprises applying a colored film forming composition on the substrate to form a base coat, followed by applying a clear film forming composition on the base coat to form a clear top coat, wherein the top coat clear film forming composition alone or both of the top coat clear film

forming composition and the colored film forming composition comprises the coating composition as claimed in claim 10.

16. (previously presented): A method of coating which comprises applying a colored base coating composition on a substrate, followed by applying an under clear coating composition on the uncured base coat, and baking the base coat and the under clear coat, and then applying an over coat clear coating composition on the under clear coat and baking the over clear coat, wherein the under clear coating composition is selected from the group consisting of an acrylic resin /aminoplast resin coating composition, an acrylic resin /urethane resin hardener coating composition and an acrylic resin /aminoplast resin /urethane resin hardener coating composition, and the over coat clear coating composition comprises the coating composition as claimed in claim 10.

17. (previously presented): The method of coating as claimed in claim 16, which comprises applying a colored base coating composition on a substrate, followed by applying an under clear coating composition on the uncured base coat, and baking the base coat and the under clear coat, and then applying an over coat clear coating composition on the under clear coat and baking the over clear coat, wherein the under clear coating composition comprises a resin mixture of 40 to 80 percents by weight of (a) a hydroxyl group-containing and epoxy group-containing acrylic resin, 0 to 60 percents by weight of (b) an aminoplast resin and 0 to 60 percents by weight of (c) a urethane resin hardener as main component.

18. (previously presented): A coated article obtained by the method of coating as claimed in claim 10.

19. (previously presented): A coated article obtained by the method of coating as claimed in claim 15.

20. (currently amended): The stain resistant coating composition as claimed in claim 10, wherein the modified resin (F') is prepared by polymerizing a mixture of polymerizable monomers for an acrylic resin synthesis containing a hydroxyl group-containing radical polymerizable monomer, an epoxy group-containing radical polymerizable monomer, and another polymerizable monomer, in the presence of ~~an~~ the non-radical polymerizable organosilicate represented by formula (2), wherein said another polymerizable monomer is selected from the group consisting of methyl acrylate, ethyl acrylate, n-propyl acrylate, isopropyl acrylate, n-butyl acrylate, isobutyl acrylate, sec-butyl acrylate, hexyl acrylate, cyclohexyl acrylate, 2-ethylhexyl acrylate, octyl acrylate, lauryl acrylate, stearyl acrylate, methyl methacrylate, ethyl methacrylate, n-propyl methacrylate, isopropyl methacrylate, n-butyl methacrylate, isobutyl methacrylate, sec-butyl methacrylate, hexyl methacrylate, cyclohexyl methacrylate, 2-ethylhexyl methacrylate, octyl methacrylate, lauryl methacrylate, stearyl methacrylate, styrene, acrylonitrile, methacrylonitrile, acrylamide, methacrylamide, acrylic acid, methacrylic acid, itaconic acid, methaconic acid, maleic acid and fumaric acid.

21. (currently amended): The stain resistant coating composition as claimed in claim 10, wherein the non-radical polymerizable organosilicate is one selected from the group consisting of tetrahydrosilane, tetramethoxysilane, tetraethoxysilane, tetrapropoxysilane, tetrabutoxysilane, tetraphenoxysilane, dimethoxydiethoxysilane, methyltrimethoxysilane, methyltriethoxysilane, phenyltrimethoxysilane, phenyltriethoxysilane, butyltrimethoxysilane,

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hexyltrimethoxysilane, decyltrimethoxysilane, ethoxytrimethoxysilane, propoxytrimethoxysilane and butoxytrimethoxysilane, and condensates thereof.